

UPPER COLUMBIA – WENATCHEE SUMMER CHINOOK

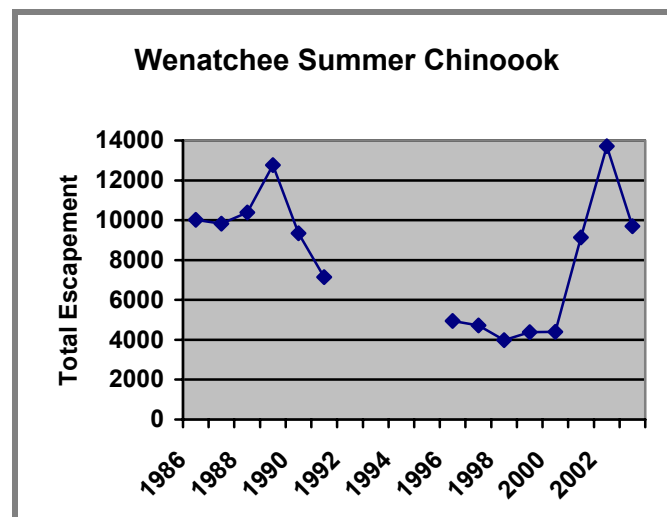
STOCK STATUS

1992 STATUS Healthy	2002 STATUS Healthy
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STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: Good

YEAR	TOTAL ESCAPEMENT
1986	10,021
1987	9,831
1988	10,389
1989	12,764
1990	9,343
1991	7,144
1992	No data
1993	No data
1994	No data
1995	No data
1996	4,946
1997	4,719
1998	3,984
1999	4,376
2000	4,396
2001	9,142
2002	13,706
2003	9,695



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Data are total escapement estimates based on redd counts from foot surveys.

Variations in escapement are thought to be within the normal range for the stock. Stock status is rated **Healthy** in 2002.

STOCK DEFINITION

Wenatchee summer Chinook were identified as a stock based on their distinct spawning distribution, river entry timing (June), spawning timing and genetic composition.

SPAWNING DISTRIBUTION: Spawning takes place in the mainstem Wenatchee River within eight miles of the town of Leavenworth.

SPAWNING TIMING: Spawning occurs from late September through October.

GENETIC ANALYSIS: Allozyme analysis has shown Wenatchee summer Chinook to be genetically distinct from other upper Columbia Chinook stocks to which they were compared (WDF and WDW 1993).

STOCK ORIGIN

This is a **mixed** stock with **composite** production. Wenatchee summer Chinook are thought to be mixture of native summer Chinook and Chinook from the Grande Coulee Fish Maintenance Project (1939 to 1943), which dispersed offspring of fish attempting to return to spawning grounds above Grand Coulee Dam into Upper Columbia tributaries below the dam. A Wenatchee summer Chinook stock has been maintained at the WDFW Eastbank Hatchery since 1989. Yearling smolts are acclimated in Dryden Acclimation Pond in the Wenatchee basin and released into the Wenatchee River.